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(71) Applicant (for all designated States except US): **ACORN PACKET SOLUTIONS, LLC** [US/US]; 2010 Corporate Ridge, Suite 700, McLean, VA 22102 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **SKERRITT, Michael** [US/US]; Acorn Packet Solutions, LLC, 2010 Corporate Ridge, Suite 700, McLean, VA 22102 (US).

(74) Agents: **SHAPIRO, Mitchell, W.** et al.; Miles & Stockbridge P.C., 1751 Pinnacle Drive, Suite 500, McLean, VA 22102 (US).

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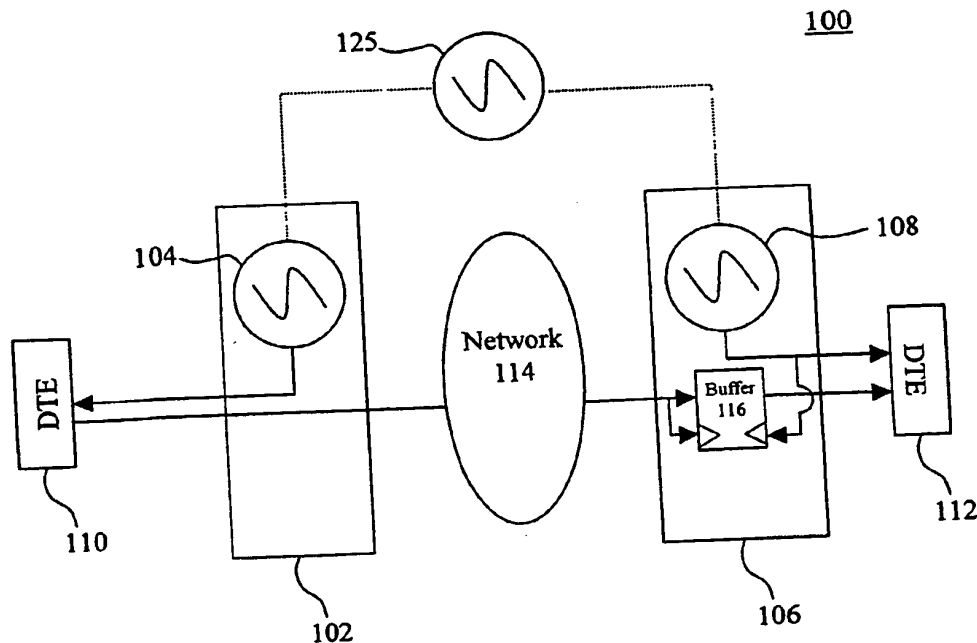
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(54) Title: **SYSTEM AND METHOD FOR BUFFER MANAGEMENT IN A PACKET-BASED NETWORK**



(57) Abstract: A communication system for use with a packet-based network (114) is disclosed. A first node (102) is configured to transmit circuit data in data packets across the network. A second node (106) is configured to receive the data packets from the network and serialize the synchronous data. The second node comprises a configurable buffer (116), the buffer being configurable to adjust to network packet delay variance through analysis of packet delay variance as measured over at least one period of time.



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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/32155

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04J 3/06  
US CL : 370/517, 412

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
U.S. : 370/412-418, 428,429,517

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,978,355 A (YAMAGUCHI) 02 November 1999 (02.11.1999), see fig. 1.	1-22
A,E	US 6,683,889 B1 (SHAFFER ET AL) 27 January 2004 (27.01.2004), see entire reference.	1-22
A	US 2002/0009051 A1 (CLOONAN) 24 January 2002 (24.01.2002), see fig.2.	1-22
A	US 2002/0080823 A1 (WOLF ET AL) 27 June 2002 (27.06.2002), see entire reference.	1-22
A,P	US 2003/0099199 A1 (KIREMIDJIAN ET AL) 29 May 2003 (29.05.2003), see figs. 3,4.	1-22

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Facsimile No. (703)305-3230

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